

Drawings

Figure 1 should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g). Corrected drawings in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance. This requirement is based upon applicant's specification in that applicant states that figure 1 is "a known SDH/SONET node of a ring-link network."

REASONS FOR ALLOWANCE

The following is an examiner's statement of reasons for allowance:

Applicant's claimed invention differs from the prior art of record for multiple reasons. The presently claimed invention discloses a TDM network with failure protection, where the traffic is shifted to a protected capacity in an event of a failure. Additionally the present invention also discloses the process of complete protection capacity is used to carry data traffic in both normal and failure conditions which includes specifically low priority traffic and non preemptive unprotected traffic which is conventionally dropped in the event of a failure in order to provided bandwidth to high priority traffic.

Additionally claim 5 discloses a failure matrix connection to protection capacity to restores the failed working capacity. Also the actuator function that cause the cross-connect, is performed in the case of the failure protecting capacity. Additionally the applicant claims balancing the access for the low priority data traffic to the remaining spare capacity using the said statistical multiplexing. The statistical multiplexing occurred, by using the Bridge and Switch comprising action on the cross-connection matrix to restore the TDM and high priority traffic. Additionally applicant management of low priority traffic also differs from the prior art of record. Also during a failure applicant maintains that a portion of the low priority traffic is prevent in order to allow the high priority data traffic. This differs from prior art of record which make high priority traffic priority and will reduce low priority traffic to no traffic if necessary.

Claim 6, also claims feature which differentiate the present invention over the prior art. Applicant claims specifically Not pre-emptive Unprotected Traffic (NUT) and data traffic during normal condition and failure condition to be reserved as part of the protected capacity. Conventional system in the event of a failure drop low priority traffic and traffic that is unprotected. Applicant specifically differs from the prior art in that he places unprotected traffic on the protected capacity win addition applicant also includes the features of claim 5 as well.

Claim 10, also includes the same feature discussed in claim 5 which differentiate over the prior art of record. Additionally claim 10 discloses is the statistical multiplexing which is allowed to access the synchronous digital hierarchy fame, allowing low priority data to access the came path as the high priority data. Again applicant invention differs

in that low priority data is allowed to proceed during failure and allowed to access the same bandwidth devoted to high priority data recover.

Therefore the presently claimed invention has overcome the prior art for the reason presented above, in addition to applicant's arguments presented in remarks dated 4/26/2007.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. See attached Notice of references cited (if appropriate).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ajay M. Bhatia whose telephone number is (571)-272-3906. Also any interview requests should be faxed directly to the examiner at (571)-273-3906. The examiner can normally be reached on M-F 8:30 am - 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jason Cardone can be reached on (571)272-3933. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Jason D Cardone/
Supervisory Patent Examiner, Art Unit 2145